

Amendments to the Specification:

Please insert the following heading on page 1, before line 3 of the specification as filed:

FIELD OF THE INVENTION

Please insert the following heading on page 1, between lines 10 and 11:

BACKGROUND OF THE INVENTION

Please insert the following heading on page 3, between lines 16 and 17:

SUMMARY OF THE INVENTION

Please amend the paragraph at page 3, lines 17-26 as follows:

It is ~~the~~ an object of the invention to provide a method for governing a screw joint tightening process performed by a pneumatic impulse wrench which does not require any pre-tightening calibration procedures and which is controlled in such a way that overtightening of the screw joint is safely avoided under all conditions, and to provide a power tool system for performing the method and including a pneumatic impulse wrench which combines a simple and compact design with a reliable parameter magnitude sensing and ascertaining.

Please amend page 3, line 29 as follows:

~~In the drawings~~ BRIEF DESCRIPTION OF THE DRAWINGS

Please insert the following heading at the beginning of page 4 (before line 1):

DETAILED DESCRIPTION

Please amend the paragraph at page 5, line 25 to page 6,
line 10 as follows:

In contrast to the previously described conventional methods for accomplishing a screw joint tightening control at pneumatically driven impulse tools, the present invention makes it possible to control the tightening process via the inlet air pressure and without having to perform any pre-production ~~rest test~~ runs to calibrate the torque output of the actual power tool in relation to the supplied air pressure and other factors like temperature, power tool age etc. According to the present invention the output torque as well as the torque growth are determined momentarily during tightening process, and the inlet air pressure is immediately adapted to the actual joint conditions such that a desired tightening result is ensured, ~~no matter irrespective of~~ the characteristics of the actual screw joint. The power tool just has to be programmed with the desired target torque level and a chosen strategy for varying the inlet air pressure during the tightening process in response to the set target torque level and the calculated torque growth. No pre-production test runs on the actual screw joint have to be performed for calculation purposes.

Please delete the abstract on page 1 of the WIPO publication (WO 2005/063448 A1) and add a new abstract on a separate page (as page 11 of the application) as follows:

ABSTRACT

A method and a power tool system are provided for performing screw joint tightening using a pneumatic torque impulse power tool that is controlled by a control unit. A torque magnitude and a torque growth are calculated based on signals delivered by an angle sensor, and pressurized air is supplied to the power tool via a flow regulating valve which is successively adjustable between zero and full power flow. The flow regulating valve is controlled by the control unit to deliver a reduced power air flow to the power tool before and during a first delivered impulse, and then to deliver full power flow until a certain torque magnitude or a percentage of a target torque level is reached, whereafter the air supply flow is again reduced until the target torque level is reached, and when the target torque level is reached the air flow is shut off.